

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Herb Boswell, Registration No. 27,311; Laurel Spear Bernstein, Registration No. 37,280; Neil S. Bartfeld, Registration No. 39,901; April C. Logan, Registration No. 33,950; and Donna T. Ward, Registration No. 48,271 of Isis Pharmaceuticals, Inc.; and Jane Massey Licata, Registration No. 32,257, and Kathleen A. Tyrrell, Registration No. 38,350 of the firm of Licata and Tyrrell P.C., 66 East Main Street, Marlton NJ 08053.

Address all telephone calls and correspondence to:

Jane Massey Licata or Kathleen A. Tyrrell
Licata and Tyrrell P.C.
66 East Main Street
Marlton NJ 08053
(856) 810-1515

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Full Name: C. Frank Bennett	Inventor's Signature: <i>C. Frank Bennett</i>	Date: 11-29-01
	Residence: 1347 Cassins Street Carlsbad California 92009	Citizenship: USA	
	Post Office Address:same as above		
2	Full Name: Susan M. Freier	Inventor's Signature: <i>Susan Freier</i>	Date: 11-29-01
	Residence: 2946 Renault Street San Diego California 92122	Citizenship: USA	
	Post Office Address:same as above		
3	Full Name:	Inventor's Signature:	Date:
	Residence:	Citizenship:	
	Post Office Address: same as above		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): C. Frank Bennett and Susan M. Freier

Serial No.: not yet assigned Filing Date: herewith

Title: Antisense Modulation of Phosphatidylinositol-4-phosphate 5-kinase, α Expression

Statement of attempt to deposit correspondence with the USPS via Express Mail.

Date of attempt to deposit via Express Mail: 11/30/01

I hereby certify that I attempted to deposit this correspondence with the USPS via Express Mail on the above date. The USPS refused to accept this correspondence on said date.

Pamela Grooms
Typed Name: Pamela Grooms

I hereby certify that all statements made herein are true.

Donna T. Ward
Donna T. Ward
Registration No.: 48,271

Date: November 30, 2001

Please address all correspondence to:
Jane Massey Licata or Kathleen A. Tyrrell
Licata & Tyrrell, P.C.
66 East Main Street
Marlton NJ 08053
(856) 810-1515

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